

CLAIMS

1. An electronic circuit comprising:
 - a first source circuit for generating a first signal and for generating a first calibration signal responsive to a calibration mode;
 - 5 a second source circuit of generating a second signal and for generating a second calibration signal responsive to the calibration mode;
 - a variable delay circuit for detecting a delay between said first and second calibration signals and applying a delay to said first signal responsive to the detected delay.
- 10 2. The electronic circuit of claim 1 and further comprising a fixed delay buffer for applying a fixed delay to said second signal to compensate for delays attributable to said variable delay circuit.
- 15 3. The electronic circuit of claim 1 wherein said variable delay circuit comprises a chain of fixed delay buffers and circuitry for selecting an output of one of said fixed delay buffers responsive to the detected delay.
4. The electronic circuit of claim 3 wherein said selecting circuitry comprises circuitry for detecting a transition of said first calibration signal in said chain of fixed delay buffers responsive to an active transition of said second calibration signal.
- 20 5. The electronic circuit of claim 4 wherein said circuitry for detecting a transition comprises a plurality of flip-flops for storing outputs of respective fixed delay buffers responsive to said active transition of said second calibration signal.
- 25 6. An method of reducing skew between a first signal from a first source circuit and a second signal from a second source circuit, comprising the steps of:

generating a first calibration signal at the first source circuit responsive to a calibration mode;

generating a second calibration signal at the second source circuit responsive to the calibration mode;

5 detecting a best fit delay between said first and second calibration signals; and

passing said first signal after applying the best fit delay to said first signal.

7. The method of claim 6 and further comprising the step of applying a fixed delay to said second signal to compensate for delays attributable to said
10 passing step.

8. The method of claim 6 wherein said detecting step comprises the steps of:

propagating the first calibration signal through a chain of fixed delay buffers; and

15 detecting a transition of the first calibration signal between adjacent fixed delay buffers.

9. The method of claim 8 wherein said detecting step further comprises the step of storing outputs of the fixed delay buffers in respective flip-flops.

20 10. The method of claim 8 wherein said passing step comprises the step of passing the output of one of said adjacent fixed delay buffers.